

## 10016900 BEAR RIVER AT EVANSTON, WY

LOCATION.--Lat 41°16'13", long 110°57'47", in NE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec.21, T.15 N., R.120 W., Uinta County, Hydrologic Unit 16010101, on left bank 100 ft downstream from bridge on State Highway 89, in the City of Evanston.

DRAINAGE AREA.--433 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1984 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,730 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and return flow from irrigated areas. Results of discharge measurements, in cubic feet per second, made during the period when the station was not in operation, are given below:

Oct. 2 . . . 32.2  
Mar. 27 . . . 437

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	352	539	1570	203	56	78
2	---	---	---	---	---	---	300	481	1700	182	55	79
3	---	---	---	---	---	---	275	474	1560	147	47	82
4	---	---	---	---	---	---	390	429	1610	100	71	68
5	---	---	---	---	---	---	350	504	1670	86	292	65
6	---	---	---	---	---	---	272	603	1520	66	198	62
7	---	---	---	---	---	---	261	730	1400	55	117	58
8	---	---	---	---	---	---	295	776	1370	68	72	58
9	---	---	---	---	---	---	339	834	1770	103	51	57
10	---	---	---	---	---	---	264	962	1960	76	59	57
11	---	---	---	---	---	---	263	1050	1740	73	129	59
12	---	---	---	---	---	---	277	1090	1530	88	114	69
13	---	---	---	---	---	---	280	1220	1710	107	87	61
14	---	---	---	---	---	---	298	1260	1420	85	71	40
15	---	---	---	---	---	---	327	1480	1260	65	50	35
16	---	---	---	---	---	---	446	1650	1110	55	37	37
17	---	---	---	---	---	---	577	1610	1170	48	32	70
18	---	---	---	---	---	---	593	1770	1150	40	31	57
19	---	---	---	---	---	---	565	1710	1290	50	37	87
20	---	---	---	---	---	---	599	1670	1290	61	33	215
21	---	---	---	---	---	---	649	1520	1100	54	50	164
22	---	---	---	---	---	---	575	1490	979	47	52	139
23	---	---	---	---	---	---	536	1450	817	63	57	148
24	---	---	---	---	---	---	583	1480	607	116	65	132
25	---	---	---	---	---	---	575	1360	487	98	61	113
26	---	---	---	---	---	---	487	1050	399	66	77	105
27	---	---	---	---	---	---	501	874	346	56	71	196
28	---	---	---	---	---	---	612	767	304	48	68	150
29	---	---	---	---	---	---	694	784	275	69	69	115
30	---	---	---	---	---	---	614	938	228	59	71	107
31	---	---	---	---	---	---	---	1190	---	62	77	---
TOTAL	---	---	---	---	---	---	13149	33745	35342	2496	2357	2763
MEAN	---	---	---	---	---	---	438	1089	1178	80.5	76.0	92.1
MAX	---	---	---	---	---	---	694	1770	1960	203	292	215
MIN	---	---	---	---	---	---	261	429	228	40	31	35
AC-FT	---	---	---	---	---	---	26080	66930	70100	4950	4680	5480
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1997, BY WATER YEAR (WY)												
MEAN	---	---	---	---	---	---	331	768	830	204	68.2	60.4
MAX	---	---	---	---	---	---	602	1291	1890	980	181	225
(WY)	---	---	---	---	---	---	1985	1986	1986	1995	1984	1984
MIN	---	---	---	---	---	---	133	330	121	40.0	16.4	11.8
(WY)	---	---	---	---	---	---	1995	1990	1992	1994	1988	1988
SUMMARY STATISTICS												
HIGHEST DAILY MEAN							FOR 1997 WATER YEAR*		WATER YEARS 1984 - 1997*			
LOWEST DAILY MEAN							1960	Jun 10	3160	May 16 1984		
INSTANTANEOUS PEAK FLOW							31	Aug 18	3.8	Sep 30 1992		
INSTANTANEOUS PEAK STAGE							2080	Jun 10	3680	May 16 1984		
10 PERCENT EXCEEDS							5.48	Jun 10	7.35	May 16 1984		
50 PERCENT EXCEEDS							--		1050			
90 PERCENT EXCEEDS							--		162			
							--		25			

\* During period of operation.